

Information Disclosure Statement by Applicant - U.S. Patent Documents -

5

Form 1449A Modified		Application Number		09/893,292		RECEIVED APR 28 2004 Technology Center 2600
		Filing Date		June 26, 2001		
		First Named Inventor		Brad A. Armstrong		
		Art Unit		2673		
		Examiner Name		D. CHOW		
		Applicant's File Number		F28		
Examiner Initials	US Patent Number	Publication Date	Patentee or Applicant Name	Relevant Information	US Class	
<i>Chow</i>	5349370	9/20/1994	KATAYAMA ET AL	Cited for related Interest	345/159	
	5049079	9/17/1991	FURTADO ET AL	Footnote 100 -- Special Interest	434/253	
	5687331	11/11/1997	VOLK ET AL	Cited for related Interest	395/327	
	5542039	7/30/1996	BRINSON ET AL	Footnote 98 -- Special Interest	345/800	
	4850591	7/25/1989	CAPCON CO.	Cited for related Interest	273/85	
	6217444	4/17/2001	KONAMI CO.	Cited for related Interest	463/3	
	6007423	12/28/1999	NAKAMURA	Cited for related Interest	463/6	
	5184120	2/2/1993	MOTOROLA, INC.	Cited for related Interest	340/870	
	5555894	9/17/1996	MATSUSHITA ELE.	Cited for related Interest	600/595	
	5673066	9/30/1997	TODA ET AL	Cited for related Interest	345/157	
	5853324	12/29/1998	KAMI ET AL	Footnote 99 -- Special Interest	462/2	
	6146278	11/14/2000	KOBAYASHI	Cited for related Interest	463/53	
	6031516	2/29/2000	LEIPER	Cited for related Interest	345/629	
	6041068	3/21/2000	ROSENGREN ET AL	Footnote 101 -- Special Interest	370/538	
	5358259	10/25/1994	BEST	Footnote 106 -- Special Interest	273/434	
	6147674	11/14/2000	ROSENBERG ETAL	Cited for related Interest	345/157	
	6225976	5/1/2001	YATES ET AL	Cited for related Interest	345/156	
	6322448	11/27/2001	KAKU ET AL	Footnote 103 -- Special Interest	463/32	
	6414996	7/2/2002	OWEN ET AL	Footnote 105 -- Special Interest	375/240	
	6400353	6/4/2002	IKAHARA ET AL	Footnote 104 -- Special Interest	345/157	
	4713007	12/15/1987	ALBAN	Footnote 102 -- Special Interest	463/37	
	6155926	12/5/2000	MIYAMOTO ET AL	Footnote 109 -- Special Interest	463/32	
	6028531	2/22/2000	WANDERLICH	Footnote 110 -- Special Interest	340	
	5999168	12/7/1999	ROSENBERG ETAL	Footnote 111 -- Special Interest	345	
	5808540	9/15/1998	WHEELER ETAL	Cited for related Interest	338	
	5619180	4/8/1997	MASSIMINO ETAL	Cited for related Interest	340	

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Examiner Signature	<i>Dan Chow</i>	Date Considered	2/19/05
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Information Disclosure Statement By Applicant - Foreign Patent Documents -

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		Examiner Name		D. CHOW	
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Examiner	Foreign Patent	Publication	Inventor or Applicant	Relevant Information	
Initials	Document No.	Date	Name		
		mm-dd-yyyy			
<i>Chow</i>	EP0302158	11-13-1987	CAPCOM CO. LTD	Cited for related Interest	
	EP0830881	08-07-1998	KONAMI CO. LTD	Cited for related Interest	
	EP0626634	11-30-1994	MATSUSHITA ELEC.	Cited for related Interest	
	EP0403054	12-19-1990	QUANTAL LTD.	Cited for related Interest	
	JP11009837	04-30-1999	TAITO CORP.	Cited for related Interest	
	EP0952555	10-27-1999	SAIKAWA ET AL	Cited for related Interest	
	EP0852961	07-15-1998	KONAMI CO. LTD	Cited for related Interest	
	WO0152042	07-19-2001	SONY COMP. ENTER.	Cited for related Interest	
	JP07-051467	02-28-1995	MITSUNORI ETAL	Footnote 112 -- Special Interest	
	TW288636	10-11-1996	PRIMAX ELECTRONIC	Cited for related Interest	
	TW369431	09-11-1999	SONY COMPUTER ENT.	Cited for related Interest	
	JP10-258181	09-29-1999	ALPS ELECTRONIC CO.	Cited for related Interest	
	JP-B-H1-40545			Footnote 113 -- Special Interest	

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APR 28 2004

Technology Center 2600

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 12

Complete If Known

Application Number	
Filing Date	
First Named Inventor	Brad A. Armstrong
Group Art Unit	
Examiner Name	
Attorney Docket Number	

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		5200597		Eastman	1993	generally all
		5207426		Inoue	1993	" "
		5287089		Parsons	1994	" "
		5311779		Teruo	1994	" "
		5315204		Park	1994	" "
		5364108		Esnouf	1994	" "
		5365494		Lynch	1994	" "
		5376913		Pine	1994	" "
		5396235		Maeshima	1995	" "
		5440237		Brown	1995	" "
		5457478		Frank	1995	" "
		5640566		Victor	1997	" "
		5670955		Thorne	1997	" "
		5673237		Blank	1997	" "
		5675329		Barker	1997	" "
		5689285		Asher	1997	" "
		5764219		Rutledge	1998	" "
		5778404		Capps	1998	" "
		5790102		Nassima	1998	" "
		5847305		Yoshikawa	1998	" "

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Office ⁴	Number ⁴	Kind Code ² (if known)				
			DE3031484		Gurndig	1982	generally all	
			DE3543890		Thomson-Brant	1987	" "	
			GB2113920		Alps Electric	1983	" "	
			GE2058462		Shin-Etsu Polymer	1981	" "	
			wo9957630		Schneider	1999	" "	
			5-87760 Japan		Mitsumi Electric	1993	" "	
			JP7302159		Sega Enterprise	1995	" "	
			EP0470615		Nintendo Co.	1992	" "	
			0 470 615 A1		Nintendo Co.	1992	" "	
			DE4013227		Poulsom	1991	" "	

Examiner Signature

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Date

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Sheet 2 of 12

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Application Number	
Filing Date	
First Named Inventor	Brad A. Armstrong
Group Art Unit	
Examiner Name	
Attorney Docket Number	

U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
[Signature]		5565891		Armstrong	1996	generally all
		5589828		Armstrong	1996	" "
		5999084		Armstrong	1999	" "
		6102802		Armstrong	2000	" "
		6135886		Armstrong	2000	" "
		6198473		Armstrong	2001	" "
		6208271		Armstrong	2001	" "
		6222325		Armstrong	2001	" "
		3611068		Fujita	1971	" "
		3806471		Mithbell	1974	" "
		3952173		Tsuji	1976	" "
		3988556		Hyodo	1976	" "
		4224602		Anderson	1980	" "
		4313113		Thornburg	1982	" "
		4315238		Eventoff	1982	" "
		4552360		Bromley	1985	" "
		4673919		Kataoka	1987	" "
		4786895		Castaneda	1988	" "
		4866542		Shimada	1989	" "
		5164697		Kramer	1992	" "

FOREIGN PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Office ³	Number ⁴	Kind Code ² (if known)				
[Signature]			wo9532776		Namco	1995	generally all	1
			ep1080753		Namco	2001	" "	
			jp6154422		Namco	1994	" "	
			jp9218737		Namco	1997	" "	
			ep1080753		Namco	2001	" "	
			ep0337458		Namco	1989	" "	
			ep0337458		Namco	1989	" "	
			jp7281824		Namco	1995	" "	
			ep0470615		Nintendo	1992	" "	
			ep0579448		Texas Instruments	1994	" "	

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Sheet 3 of 12

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Application Number	
Filing Date	
First Named Inventor	Brad A. Armstrong
Group Art Unit	
Examiner Name	
Attorney Docket Number	

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
/		5854624		Grant	1998	generally all
		5883619		Ho	1999	" "
		5889236		Gillespie	1999	" "
		5895471		King	1999	" "
		5948066		Whalen	1999	" "
		5910798		Kim	1999	" "
		5943044		Martinelli	1999	" "
		5974238		Chase	1999	" "
		5995026		Sellers	1999	" "
		6020884		MacNaughton	2000	" "
		6049812		Bertram	2000	" "
		6118979		Powell	2000	" "
		6157935		Tran	2000	" "
		6185158		Ito	2001	" "
		Des. 342740		Parker	1993	" "
/		5278557		Stokes et al	1994	" "

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Office ³	Number ⁴	Kind Code ² (if known)				

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Application Number

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First Named Inventor

Brad A. Armstrong

Group Art Unit

Examiner Name

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U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	U.S. Patent Document Number ² Kind Code ³ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		THE BELOW LISTED DISCLOSURES FROM Questel-Orbit QWEB 1-24				pages
					(hereto attached)	
		5898359	Delco	1999	generally all	
		5350339	CTS Corp.	1996	" "	
		5847639	Interlink	1998	" "	
		5867808	IBM	1999	" "	
		5287089	Parsons	1994	" "	
		5132658	Sensym INC.	1992	" "	
		5196782	Luntron	1991	" "	
		4975676	Spectra	1990	" "	
		4694231	Alvite	1987	" "	
		4615252	Asahi	1986	" "	
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		4314228	Eventoff	1982	" "	
		4315238	Eventoff	1982	" "	
		4268815	Eventoff	1981	" "	
		4276538	Eventoff	1981	" "	

FOREIGN PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Foreign Patent Document Office ² Number ³ Kind Code ⁴ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
		jp11031606	Teikoku	1999	generally all	
		jp09223607	Teikoku	1997	" "	
		jp09213168	Teikoku	1997	" "	
		DE19606408	Contelec	1997	" "	
		GB2308448	Samsung	1997	" "	
		RU2010369	Smyslov	1994	" "	
		GB2267392	Collins	1993	" "	
		jp05151828	Yokohama	1993	" "	
		jp04155207	Yokohama	1992	" "	
		jp03108701	Canon	1991	" "	

Questel-Orbit data continued on next sheet

Examiner Signature	<i>[Signature]</i>	Date Considered	2/19/05
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of

12

Filing Date**First Named Inventor**

Group Art Unit

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[illegible][illegible]

Don Clark

2/19/25

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Application Number	
Filing Date	
First Named Inventor	Brad A. Armstrong
Group Art Unit	
Examiner Name	
Attorney Docket Number	

Sheet	7	of	12
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[illegible]

Ken Low

2/19/05

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First Named Inventor	Brad A. Armstrong
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Attorney Docket Number	

Sheet	8	of	12
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[illegible]

John C. Cunn

2/19/05

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		First Named Inventor	Brad A. Armstrong
		Art Unit	
		Examiner Name	
Sheet	9	of	12
		Attorney Docket Number	

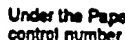
U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Document Number Number - Kind Code ² (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
CLM		US-5510812	1996	O'Mara	Generally all
		US-4469330	1984	Asher	generally all
		US-4246452	1981	Chandler	generally all
		US-5565891	1996	Armstrong	generally all
		US-D355901	1995	Bradley	generally all
		US-4555960	1985	King	generally all
		US-4924216	1990	Leung	generally all
		US-4933670	1990	Wislocki	generally all
		US-5065146	1991	Garrett	generally all
		US-5128671	1992	Thomas, Jr.	generally all
		US-5237311	1993	Wislocki	generally all
		US-5293158	1994	Soma	generally all
		US-5298919	1994	Chang	generally all
		US-5329276	1994	Mirabayashi	generally all
		US-2430284	1947	Evers	generally all
		US-3693425	1972	Starita et al	generally all
		US-3921445	1975	Hill et al	generally all
		US-4099409	1978	Edmond	generally all
		US-4216467	1980	Colston	generally all
		US-4297542	1981	Shumway	generally all

FOREIGN PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
CLM		5-87760 (Japan)	1993	Mitsumi Elec.	generally all
		7-302159 (Japan)	1995	Sega Enter.	generally all
		0 470 615 A1 (EP)	1992	Nintendo	generally all
		0205726 (EP)	1986	Hal Lab INC	generally all
		739505 (SU)	1977	Baranov	generally all
		2205941 (GB)	1988	Garrett	generally all
		2240614 (GB)	1991	Dzholdasbekov	generally all

Examiner Signature	<i>[Signature]</i>	Date Considered	4/19/05
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First Named Inventor

Brad A. Armstrong

Group Art Unit

Examiner Name

Sheet

11

of

12

Attorney Docket Number

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Examiner Initials	Cite No.1	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
<i>Chen</i>		4766271		MITSUHASHI ET AL	1988	generally all
		4604509		CLANCY ET AL	1986	" "
		6256011		CULVER	2001	" "
		6231444		GOTO ET AL	2001	" "
		6001014		OGATA ET AL	1999	" "
		5984785		TAKEDA ET AL	1999	" "
		5294121		CHIANG	1994	" "
		5606594		REGISTER ET AL	1997	" "
		5391083		ROEBUCK ET AL	1995	" "
		5139439		SHIE	1992	" "
		6040821		FRANZ ET AL	2000	" "
		5396225		OKADA ET AL	1995	" "
		5999808		LADUE	1999	" "
		4858930		SATO	1989	" "
		5670988		TICKLE	1997	" "
		5184830		OKADA ET AL	1993	" "
		5552799		HASHIGUCHI	1996	" "
		5355352		KOBAYASHI ET AL	1994	" "
		5564560		MINELLI ET AL	1996	" "
		5923317		SAYLER ET AL	1999	" "

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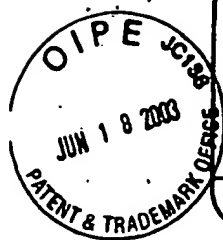
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Sheet	12	of	12
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Application Number

Filing Date

First Named Inventor

Group Art Unit

Examiner Name

Attorney Docket Number

Brad A. Armstrong

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Application Number	09/893,292
Filing Date	06/26/01
First Named Inventor	Brad A. Armstrong
Group Art Unit	
Examiner Name	
Attorney Docket Number	28

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